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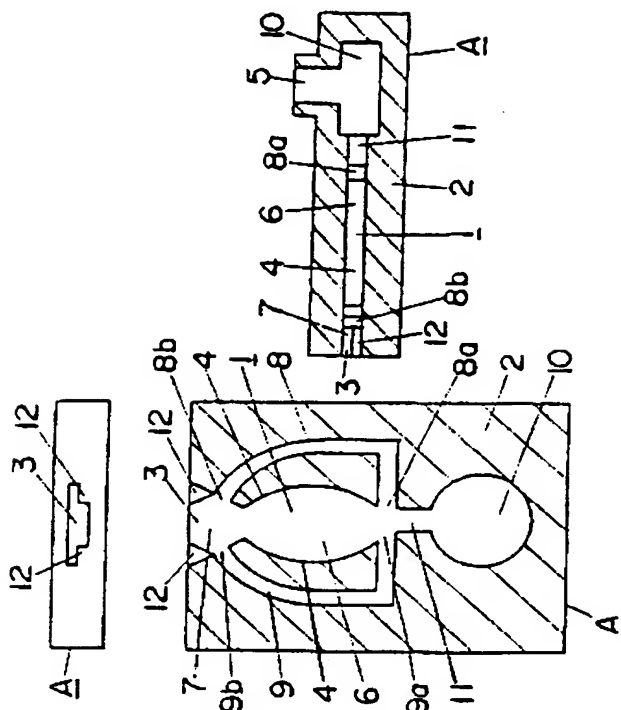
APPLICATION NUMBER : 61095256

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TITLE : FLUID VIBRATING-ELEMENT



ABSTRACT : PURPOSE: To unify the distribution of an injection flow, by making the opening ratio at the opening of a nozzle smaller than that at the middle of the nozzle.

CONSTITUTION: A water-pouring-port 5 is arranged at the upper surface of a casing 2, while a circular, inflow-chamber 10 is arranged at the tip of the water-pouring-port 5. An inner flow passage 6 is formed at the tip of the inflow-chamber 10 via an inner nozzle part 11. In addition, the tip of an injection-port 7 whose sectional area is enlarged as the position becomes closer to the tip is open to the outside as the nozzle opening 3. A right-hand bypass passage 8 and a left-hand bypass passage 9 are formed at both sides of the inner flow passage 6, respectively. At both end parts of the nozzle opening 3 are installed thin, almost triangular control boards 12, so that the opening ratio (sectional area of the flow passage) at the opening of the nozzle becomes smaller than that at the middle of the nozzle. With this contrivance, with regard to the fluid from the nozzle opening 3, the injection flow is obstructed by the control boards 12 at both ends and consequently we cannot have a great flow. As a result, a part of the flow, which is obstructed as mentioned above, is forced to jet out of the middle part, thereby unifying the injection flow.

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